



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, November 07, 2016

Major Developments

Update: Colonial Restarts Its 1.37 Million b/d Line 1 in Alabama November 6 after Explosion, Fire October 31

Colonial Pipeline Company reported its Line 1 pipeline was safely restarted and returned to service at 5:45 a.m. CST on Sunday. Line 1—Colonial's main gasoline pipeline—was shut following an explosion and fire on October 31 in Shelby County, Alabama. The explosion and fire occurred when a crew working on Line 1 struck the pipeline with a trackhoe used for excavating. Following removal of the affected segment of the pipeline Saturday, installation of the new segment commenced and was successfully completed early Sunday. Colonial said it was expected to take several days for the fuel delivery supply chain to return to normal. The Colonial pipeline system connects Gulf Coast refineries with markets across the southern and eastern United States through more than 5,500 miles of pipeline, delivering gasoline, diesel, jet fuel, and other refined products. Lines 1 and 2 run from Houston, Texas to Greensboro, North Carolina, supplying markets in Mississippi, Alabama, Tennessee, South Carolina, and North Carolina.

<https://helena.colonialresponse.com/>

Electricity

Duke Energy's 846 MW Oconee Nuclear Unit 1 in South Carolina Shut by November 5

On the morning of November 4 the unit was operating at full power. The cause for the shutdown was not immediately known.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Exelon's 1,163 MW Byron Nuclear Unit 1 in Illinois Reduced to 84 Percent by November 6

On the morning of November 5 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Update: AES's 336 MW Alamitos Gas-fired Unit 4 in California Returns to Service by November 6

The unit returned from an unplanned outage that began on November 2.

<http://content.aiso.com/unitstatus/data/unitstatus201611061515.html>

PG&E's 563 MW Gateway Gas-fired Unit in California Shut by November 6

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201611061515.html>

PG&E's 404 MW Helms Hydro Unit 3 in California Shut by November 5

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201611051515.html>

SCE's 820 MW Big Creek Hydro Unit in California Reduced by November 4

The unit entered an unplanned curtailment of 400 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201611041515.html>

Chevron USA's 125 MW Gas-fired Units 1 and 2 in California Shut by November 4

The units entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201611041515.html>

Calpine's 561 MW Los Medanos Gas-fired Unit in California Reduced by November 4

The unit entered an unplanned curtailment of 297 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201611041515.html>

Amazon Plans to Build Second Wind Farm in Ohio

Amazon is planning to build a second wind farm in Hardin County, Ohio to help power three new data centers in the state. Amazon already is building a wind farm in Paulding County. The wind farm is expected to begin producing electricity by the end of 2017.

Reuters, 10:31 November 5, 2016

Petroleum

No Damage Reported at Cushing Oil Hub after 5.0 Magnitude Earthquake Hits Oklahoma November 6

The Oklahoma Corporation Commission, Oklahoma Geological Survey, and Governor Mary Fallin said there were no reports of damage at the Cushing, Oklahoma, oil storage terminal following a 5.0 magnitude earthquake that struck at 7:44 p.m. CST on Sunday. The OCC's Pipeline Safety Department said the assessment of the infrastructure at the massive crude oil storage facility, which as of last month held 58.5 million barrels of crude oil, was continuing. The U.S. Geological Survey reported the earthquake epicenter was located one mile west of Cushing and about 50 miles northeast of Oklahoma City. Magellan Midstream Partners late Sunday night said it had safely resumed normal operations of its assets in Cushing after working through a controlled shutdown earlier in the evening due to the earthquake. Enterprise Products Partners also reported returning to normal operations after it briefly suspended service on pipelines in and out of the tank terminal while inspections were conducted. The company will continue to monitor the situation, a spokesman said.

<https://www.occeweb.com/>

http://www.ou.edu/content/dam/ogs/documents/statements/OGS-Statement_Cushing_Earthquake_2016-11-06.pdf

<https://twitter.com/GovMaryFallin>

Reuters, 12:22 November 7, 2016

NTSB Opens Investigation into Colonial Pipeline Accident in Alabama

The U.S. National Transportation Safety Board (NTSB) said on Friday it had opened an investigation into the Colonial Pipeline Co accident in Helena, Alabama, which killed one worker and seriously injured four others. Colonial's gasoline pipeline ruptured on October 31 during routine maintenance operations. The company restarted the pipeline on Sunday. A team of five NTSB investigators arrived Thursday and will be in Alabama for several days conducting interviews, documenting the accident site, and collecting evidence. Investigators will also visit the Colonial Pipeline offices in Alpharetta, Georgia, to interview operations and engineering staff and collect operating data and documents, the board said.

http://www.downstreamtoday.com/news/article.aspx?a_id=54180

PES Attempt to Restart FCCU Fails at Its 335,000 b/d Philadelphia, Pennsylvania Refinery November 7 – Source

Philadelphia Energy Solutions (PES) abandoned efforts on Monday to restart the 50,000 b/d fluid catalytic cracking unit (FCCU) at the Point Breeze section of its Philadelphia refinery complex, according to a source familiar with the plant's operations. The timetable to restart the unit, which was unexpectedly shut on Saturday, is uncertain and will depend on whether there are repairs done on a faulty wet gas compressor, the source said. The company had attempted to restart the unit without the wet gas compressor but "pulled the plug" on the plan around 11 a.m. EDT on Monday, the source said. The restart resulted in heavy flaring, the source said. If the company decides to wait and fix the wet gas compressor, the restart could take "days," the source said.

Reuters, 11:37 November 7, 2016

Flint Hills Reports Unit Upset at Its 295,630 b/d Corpus Christi, Texas Refinery November 5

Flint Hills Resources reported the continuous catalyst regeneration unit (CCR) experienced an upset on November 5 at the west plant of its Corpus Christi refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 23:29 November 6, 2016

Alon Reports Emissions at Its 73,000 b/d Big Spring, Texas Refinery November 7

Alon USA Energy reported emissions from the ESP Stack, FCCU, and FCCU CO Boiler Bypass Stack at its Big Spring refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 11:31 November 7, 2016

Shell Reports Operations Stable after Unit Upset at Its 156,400 b/d Martinez, California Refinery November 7

Royal Dutch Shell said operations were stable at its Martinez refinery after it experienced an upset in one of its process units. Shell says the upset caused some brief flaring on the Pacheco Boulevard side of the refinery.

Reuters, 13:54 November 7, 2016

Phillips 66 Reports Emissions at Its 139,000 b/d Carson, California Refinery November 5

Phillips 66 reported a sulfur dioxide release at its Carson refinery on November 5, according to a filing with the California Emergency Management Agency.

Reuters, 3:07 November 7, 2016

Natural Gas

DCP Midstream Reports Plant Shutdown Due to Electrical Storm at Its 160 MMcf/d Goldsmith Gas Plant in Texas November 5

DCP Midstream reported an electrical storm in the Permian Basin knocked out power to the Goldsmith plant initiating a plant shutdown that caused the routing of gas inside the plant and inlet gas to be flared. Production to the plant was curtailed to minimize the amount of gas entering the plant and therefore being flared. The plant was restarted quickly and safely as flaring ceased.

<http://www2.tceq.texas.gov/oce/eei/index.cfm?fuseaction=main.getDetails&target=246595>

Pacific Oil & Gas to Build Woodfibre LNG Export Project in British Columbia

Woodfibre LNG on Friday said it will start building British Columbia's first liquefied natural gas (LNG) processing and export terminal in 2017. The facility, near Squamish, will export 2.1 million tonnes a year once it is operational in 2020. Woodfibre is a subsidiary of Pacific Oil & Gas Ltd, which is part of the Singapore-based RGE Group of companies.

<http://www.woodfibrelng.ca/parent-company-authorizes-woodfibre-lng-to-proceed-with-project/>

Reuters, 21:04 November 4, 2016

Pennsylvania Governor Announces Pipeline Investment Program November 7

Pennsylvania Governor Tom Wolf announced the opening of a new Pipeline Investment Program (PIPE) on November 1, which will offer up to \$24 million of total funding to make natural gas available to Pennsylvania residents, manufacturers, and pad-ready sites. Grants will be available for up to \$1 million per applicant for pipeline project expenses, with the applicants providing at least 50 percent matching funds of the total project. Such qualifying expenses include construction; acquisition of land, rights of way, and easements; land clearing and preparation; engineering, design, and inspection costs; administrative costs, such as advertising, legal, and documented staff expenses of the applicant to administer the grant; and project contingencies associated with the construction project up to 5 percent of the actual construction costs. The first PIPE approvals are expected to be in early 2017.

<http://www.prnewswire.com/news-releases/pennsylvania-governor-wolf-announces-pipeline-investment-program-300358344.html>

Other News

Nothing to report.

International News

China Begins Construction on Its First Floating 200 MW Nuclear Power Reactor for Deployment Off Coast

State-controlled China General Nuclear Power Group (CGN) said it has begun construction of its first floating nuclear power reactor, which it plans to deploy off its coast by the end of the decade. The 200 MW reactor will help power offshore facilities in China's open sea and island reefs, CGN said, adding that offshore energy supply is an issue that China has to overcome in order to become a naval power. The ACPR50S project was approved by the National Development and Reform Commission, the country's state economic planner, earlier this year, together with plans for China National Nuclear Corp's ACP100S floating reactor and China Shipbuilding Industry Corp's proposal to turn an offshore military nuclear facility into a floating power station for civilian use.
Reuters, 5:53 November 7, 2016

Energy Prices

U.S. Oil and Gas Prices November 7, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	44.83	46.78	44.27
NATURAL GAS Henry Hub \$/Million Btu	2.19	2.65	2.10

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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